IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

in re PATENT APPLICATION of

Group Art Unit: 2603

inventor(s): Eduardo J. Moura, et al.

Examiner: Shick Hom

Appln. No.: 08 / 426,920 series code 1 1 seriel no.

Atty. Dkt: <u>7225 / 217537</u> M# / Client Ref.

Filing Date:

April 21, 1995

Title:

Asymmetric Hybrid Access System

POWER OF ATTORNEY FROM ASSIGNEE AND REVOCATION OF PRIOR POWERS

Hon. Commissioner of Patents and Trademarks Washington, D.C. 20231

Sir:

The undersigned being the assignee of record in the above-entitled patent application as shown by the chain of title from the original owner to the assignee as recorded on Ree! _____, Frame hereby revokes all previous powers and appoints the Cushman Darby & Cushman Intellectual Property Group of Pilisbury Madison & Sutro, LLP. Ninth Floor, East Tower 1100 New York Avenue, N.W., Washington, D.C. 20005-3918 telephone number (202) 861-3000 (to whom all communications about this application are to be directed), and the below named persons (of the same address), individually and collectively, our attorneys to prosecute this patent application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent:

7493/041C

** *** *** **			
Paul N. Kokulis	16773	Kendrew H. Cotton	30368
Raymond F. Lippitt	17519	Chris Comuntzis	31097
G. Lloyd Knight	17698	Lawrence Harbin	·
Carl G. Love			27644
	18781	Paul E. White, Jr.	32011
Edgar H. Martin	20534	Michelle N. Lester	32331
William K. West, Jr.	22057	Jeffrey A. Simenauer	31933
Kevin E. Joyce	20508	Robert A. Molan	
Edward M. Prince	22429	G. Paul Edgell	29834
David W. Brinkman			24238
<u> </u>	20817	Lynn E. Eccleston	35861
George M. Sirilla	18221	David A. Jakopin	32995
Donald J. Bird	25323	Mark G. Paulson	30793
W. Warren Teltavuil	26647	John P. Moran	
Peter W. Gowdey			30906
	2 5872	Timothy J. Klima	34852
Dale S. Lazar	28872	James D. Berquist	34778
Glenn J. Perry	28458	Stephen C. Glazier, P.C.	31361

Assignee has reviewed the evidentiary document(s) for the aforesald chain of title and hereby certifies that, to the best of assignee's knowledge and bellef, title is in the undersigned assignee. Address all further correspondence to Lawrence Harbin, 1100 New York Avenue, N.W., Suite 900 East Tower, Washington, D.C. 20005-3918 whose telephone number is (202) 861-3716.

Hybrid Networks, Inc.

Name: Richard Fullo

Name: Richard Fuller Title: Vice President

Date

10 tile	Assistant Commissioner of Patents:	Please record the annual in the second the annual in the second the annual in the second
Name of convey	ring party(ies):	Please record the attached original documents or copy there
Eduardo J. Moura and Jan Maksymiliam Gronski		2. Name and address of receiving party(ies):
		Name: Hybrid Networks. Inc
Additional name	(s) of conveying party(ies) attached?	Internal Address:
[] Yes	[X] No	
Nature of Conve	vance:	Street Address: 10201 Bubb Road
[X] Assignment	[] Merger	City: Cuperting States G.
Security Agree	ement [] Change of Name	ZIP: 95014
Other		Additional name(s) & address(es) attached?
Execution Date: .		[] Yes [X] No
nopricution number	er(s) or patent number(s):	1
this document is	being filed together with a new applies.	tion, the execution date of the application is: April 21, 1995
Patent Apoli	cosing N	ion, the execution date of the application is: April 21, 1995
Patent Application No.(s)		B. Patent No.(s)
	Additional nur	l nbers attached? [] Yes [X] No
came and address concerning docume	of party to whom correspondence nt should be mailed:	6. Total number of applications and patents involved: [1]
ame:	Robert P. Sabath	7. Total fee (37 CFR 3.41): \$40.00
:ResolbA, mare:	Fenwick & West	[] Enclosed
ircet Address: ivi Palo Alto	Two Palo Alto Square. Suite 600	[X] Authorized to be charged to deposit account
0)17.00	State: C.A ZIP: 94306	8. Deposit account number: 19-2555 (Attach duplicate copy of this page if paying by deposit account)
	DO NOT USE	THIS SPACE
tement and signan		
se orizinal docum	wiedge and helier. The forezoing informa ent.	anorts true and correct and any attached copy is a true copy
	\mathcal{N}	Service Copy is a strike Copy
Robert P. Sub- Sume of person si	ioning	
,	Signa	April 21, 1995 Date
	Total number of pages including cover	
Ma		
Ma		Paguired cover d

оскет No. _____1572

ASSIGNMENT

For good and valuable consideration receipt of which is hereby acknowledged, we. EDUARDO J. MOURA and JAN MAKSYMILIAM GRONSKI. do hereby sell, assign and transfer unto HYBRID NETWORKS, INC., a Delaware corporation whose address is 10201 Bubb Road. Cupertino, CA 95014 (called the Assignee herein), and its successors and assigns, the entire title. interest and right, including the right of priority, in, to and under an application for Letters Patent of the United States emittled "ASYMMETRIC HYBRID ACCESS SYSTEM AND METHOD" executed by us this day, and the inventions and any of them therein set forth and described, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor or corresponding thereto:

And for the above consideration we agree promptly upon request of the Assignee. its heirs, successors or assigns, to communicate any facts known to us respecting said application and the invention set forth therein, and to execute and deliver without further compensation any power of artorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to the Assignee, its heirs, successors and assigns. the inventions and any of them described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication and re-examination of said Letters Patent. provided the expenses which may be incurred by us in lending such cooperation and assistance be paid by the Assignee.

IN WITNESS WHEREOF, we hereunto set our hand and seal this 21 day of

1AKSYMILIA GRONSKI

State of California

Country or Danta

before me. personally appearedpersonally known to me or proved to me on the hasis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he same in his her authorized capacity, and that by

hasher signatureson the instrument the person, or the entity upon behalf of which the person acted.

Witness my hand and official seal.

Notary Public

Уост; < 2€ п

BEVERLY M. KEHOE SHEA COMME # 1034838 ary Public — California SANTA CLARA COUNTY Comm. Expires AUG 4, 1998 Attny.Dkt.No.:

1572

Applicants:

Eduardo J. Moura and Jan Maksymiliam Gronski

Serial No.:

Unknown

Filed:

On Even Date Herewith

Title:

ASYMMETRIC HYBRID ACCESS SYSTEM AND METHOD

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS (37 CFR 1.9 (f) and 1.27 (c)) - SMALL BUSINESS CONCERN

'	37 CFR 1.9 (1) and 1.27 (C)) - SHIADE BOSINESS CONCERN
I hereby declare that I am:	
[] the owner of the small busin concern identified be	
NAME OF CONCERN	Hybrid Networks. Inc.
ADDRESS OF CONCERN	10201 Bubb Road, Cupertino, CA 95014
121.2-18, and reproduced in 3 United States Code, in that the persons. For purposes of this striscal year of the concern of the the fiscal year, and (2) concerns	identified small business concern qualifies as a small business concern as defined in 13 CFR 7 CFR 1.9(d), for purposes of paying reduced fees under section 41 (a) and (b) of Title 35, number of employees of the concern, including those of its affiliates, does not exceed 500 (attement. (1) the number of employees of the business concern is the average over the previous persons employed on a full-time part-time or temporary basis during each of the pay periods of a are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control both.
I hereby declare that rights und above with regard to the above	er contract or law have been conveyed to and remain with the small business concern identified referenced invention described in
[X] the specification filed here	with [] application identified above [] patent identified above
rights to the invention is listed qualify as a small business cond 37.1.9(d) or a nonprofit organize	dentified small business concern are not exclusive, each individual, concern or organization having below* and no rights to the invention are held by any person, other than the inventors, who could not the inventors of the inventor of the inventor of the invention are required from each named thaving rights to the invention averting to their status as small entities. (37 CFR 1.27)
'NAME	
ADDRESS'() POPUVOUAL (Y) SMAI	L BUSINESS CONCERN [] NONPROFIT ORGANIZATION
small entity status prior to payi	in this application or patent, notification of any change in status resulting in loss of entitlement to ng, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date y is no longer appropriate. (37 CFR 1.28(b))
belief are believed to be true; at the like so made are punishable	DATE 4/21/45
TITLE OF PERSON OTHER	
ADDRESS OF PERSON SIGN	

washing the second of the Contractor

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Judson D. Cary, Reg. No. P-38,097 Timothy H. Gens, Reg. No. 29,153 Charles E. Gotlieb, Reg. No. P-38,164 David L. Hayes, Reg. No. 34,838

Kenneth M. Kaslow, Reg. No. 32,246 Stuart P. Meyer, Reg. No. 33,426 John T. McNelis, Reg. No. 37,186 Leo V. Novakoski, Reg. No. 37,198 Edward J. Radlo, Reg. No. 26,793 Robert P. Sabath, Reg. No. 29,107 Albert C. Smith, Reg. No. 20,355 Phong K. Truong, Reg. No. 37,499 J. P. Violette, Reg. No. 33,042 Edward B. Weller, Reg. No. 37,468

SEND CORRESPONDENCE TO:

Robert P. Sabath FENWICK & WEST Two Palo Alto Square. Suite 500 Palo Alto, CA 94306 DIRECT TELEPHONE CALLS TO: (name and telephone number)

Robert P. Sabath (415) 858-7153

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

निर्धा Name of Inventor:	Eduardo J. Moura	
Signature:	Educato / Moure	Dateg: 4/21/95
Residence:	3509 Mt. Davidson Court	
residence.	San Joe. CA 95124	Citizensnip: U.S.A.
Post Office Address:	same as residence	
Full Name of Inventor:	Jap Maksymiliap Gronski a	Maksumilian Groundin
Signature:	Van M. Gomen	Dated: 4/2//G
=esiaence:	Palo Alto. CA 94303	Citizensnip:
Post Office Address:	same as residence	

Case Docket No. 1572



ORIGINAL CONTINUATION OR DIVISIONAL

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name:

! 6

names are listed below) of the subject mat ASYMMETRIC HYB	RID AC	CESS SYSTEM	AND METHOD	3 •11 111	: Dailliù eutitied:
the specification of which (check one):	[x]	is attached he was filed on: Application Se and was amer	reto.		
	Π.	was described PCT International filed on: and as amend Article 19 on:	and claimed in nal Application No ed under PCT	D	applicable)
nerged by any amendment referred to ac	derstand ove.	the contents of	the above-identif	ied specification	i. including the claims
acknowledge the duty to disclose informitle 37. Code of Federal Regulations, $\S1.56$	ation wi	hich is material	to the examination	in of this applic	ation in accordance
hereby claim foreign priority benefits und ventor's certificate or of any PCT internation merica listed below and have also identification(s) designating at leading the state of the property of the state of the st	ed belo ast one t of the	w any foreign ap	plication(s) for pa	stent or inventor	
Prior Foreign or PCT Application(s):	n/a				Priority Claimeo?
Application Number Col	untry (or	indicate if PCT)	Day/Month	Year Filea	[] [] Yes No
Application Number Cou	intry (or	indicate if PCT	Jay/Montn/	Year Filed	Tes To
perepy claim the benefit under Title 35. Under Discation(s) designating the United States of this application is not disclosed in le 35. United States Code, §112. I acknowled a Regulations, §1.56(a) which occurred a Regulations of this application: Prior U.S. Application(s) or PCT International filing the U.S. for Benefit Under	that/the wiedge ed betw	ose prior applica the duty to disci reen the filing d	tion(s) in the ma	Duer of the 2001	ect matter of each of t
J.S. Application Serial No.	U.S. Fili	ng Date	Patenteo	Penaing	Abandoned
J.S. Application Serial No.	US FIL	ng Date	3		
PCT Applications Designating the U.S		ng Date	Patented	Senaing	Abandoned
CT Application No. → CT Filling Dat		S. Seriai Nos. Signed (if any)	Satented	_D evaivā	Abandoned
PCT Application No. PCT Filing Dat		S. Serial Nos.	Patenteg	senainā	Abandoneo

-ase Docket No. 1572

CDC-281 8/94

SUPPLEMENTAL DECLARATION

and the comparison of the

PATENT APPLICATION

SOLEJJOINT

(5) Inventor's Signature

Inventor's Name(typed)

As a halms named inventor. I bereby declara: THAT I verily believe I am the original. first and sole (if only one name is listed balow) or a joint inventor (if plural inventors are named below) of the invention described and

claimed in United States Application No. 08/426, 920, filed on April 21, 1995 Asymmetric Hybrid Angers System and Mathod, as initially filed and as initialed in Fig. 7 and in claim 1, and that the subject matter of Glaim(s) Nos. 1-6. 15. 17, 19-20. 24-25 and 26-24 per Amendment dated July 31, 1996 [x]X ONO) as allowed_.. (yino xod [] was part of my or our invention and was invented before the filing of the original application, above identified, and of its parent application(s) (if this is a continuing application thereof) for such invention; that I have reviewed and undergrand the contents of the specification, including (to the best of my ability) the claim(s), as above amended/allowed; that I acknowledged my duty to disclose all information known to me to be material to patentability of this application (including, if this is a CIF, in so far as the subject matter disclosed and claimed in this application is in addition to that disclosed in said parent application(s). By duty to disclose all information known to me to be material to parentability which became available between the filing date of said parent application(s) and the national or international filing date of this application) in accordance with 37 C.F.R. 1.56. I further declare that all statements made herein of my own knowledge are true and that all statements made on information and beliaf are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sertion 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any parent issuing thereone Moura (1) Inventor's Signature... Moura Inventor's Name (typed) Hiddle Kastial Flor Fire Pamily, (2) Inventor's Signature Jan Makeymilian Gronski Niddle İnitial Inventor's Name(typed) Family Name Date (3) Inventor's Signature Inventor's Name(typed)_______First Pamily Name Kiddle Initial (4) Inventor's Signature_ Inventor's Name(typed). Family Name Middle Initial

MOTE: FOR ADDITIONAL INVENTORS, check box () and actach wheat with signature and date for each. Atty/Sec.

Middle Initial

CDC 178 6/96

Family Namo

BEST AVAILABLE COPY

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

ORIGINAL CONTINUATION OR DIVISIONAL

As a below named inventor, I hereby declare that:

:he

My residence, post office address and citizenship are as stated below next to my name:

! believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

ASYMMETRIC HYB	RID AC	CESS SYSTEM AND METHOD	
specification of which (check one):	[] [X]	is attached hereto. was filed on: Application Serial No.: and was amended on:	(if applicable)
	0	was described and claimed in PCT International Application No. filed on: and as amended under PCT Article 19 on:	(ii application

nereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

hereby claim foreign priority benefits under Title 35. United States Code, §119 of any foreign application(s) for patent or inventors certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventors certificate or any PCT international application(s) designating at least one country other than the United States of America filled by me on the same subject matter having a filling date before that of the application(s) on which priority is claimed:

Prior Foreign or PCT Application(s): n/a				Phorny Claimed		
•			_ 0	0		
Application Number	Country (or indicate if PCT)	Day/Month/Year Filed	Yes	No		
				0		
Application Number	Country (or indicate if PC.,	Day/Month/Year Filed	7es	.40		

nereby claim the benefit under Title 35. United States Code, §120 of any United States applications or PCT international applications) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior applications) in the manner provided by the first paragraph of Title 35. United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37. Code of Federal Regulations, §1.55(a) which occurred between the filling date of the prior applications; and the national or FCT international filling date of this application:

Prior U.S. Application(s) or PCT International Application(s) Designating the U.S. for Benefit Under 35 USC §120: n/a

J.S. Application Seri	ai No. U.S	. Filing Date	Patented	⊃enain¢	≐bandoned
U.S. Application Serial No. U.S		S. Filing Date	Satented	³ enging	2pandoned
CT Applications Des	ignating the U.S.:				
CT Application No.	PCT Fuing Date	J.S. Seriai Nos. Assigned (if any)	Patented	₂ euciuċ	Apandoned
PCT Application No	PCY Feing Date	. S. Serial Nos.	³ atenteg	Sending	apangoneo

Case Docket No. 1572

BEST AVAILABLE COPY



POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Judson D. Cary, Reg. No. P-38.097 Timothy H. Gens, Reg. No. 29,153 Charles E. Gotlleb, Reg. No. P-38.164 David L. Hayes, Reg. No. 34,838 Kenneth M. Kaslow, Reg. No. 32.246 Stuart P. Meyer, Reg. No. 33,426 John T. McNelis, Reg. No. 37,186 Leo V. Novakoski, Reg. No. 37,198 Edward J. Radlo, Reg. No. 26,793 Robert P. Sabath, Reg. No. 29,107 Albert C. Smrth, Reg. No. 20,355 Phong K. Truong, Reg. No. 37,499 J. P. Violette, Reg. No. 33,042 Edward B. Weller, Reg. No. 37,468

SEND CORRESPONDENCE TO:

Robert P. Sabath FENWICK & WEST Two Palo Alto Square. Suite 500 Palo Alto, CA 94306 DIRECT TELEPHONE CALLS TO: (name and telephone number)

Robert P. Sabath (415) 858-7153

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor:	Eduardo J. Moura	
Signature:	Educat / Moura	Dated: <u>4/21/95</u>
	3509 Mt. Davidson Court	•
Residence:	San Joe. CA 95124	Citizenship: U.S.A.
Post Office Address:	same as residence	
Full Name of Inventor:	Jap TJaksvmilian Gronski a. 10	a Kennilian From la
Signature:	1/2 11 Mountin	Dated: 4/2//6
	105 Newell'Road	
∃esidence:	Palo Alto, CA 94303	Citizenship: . S.A
	:	
Enst Office Address:	same as residence	

Case Docket No. 1572

5322-01572:711919.1/04-21-95/11:42 AM

PAGE 2 OF 2

BEST AVAILABLE COPY

